

CLAIMS

We claim:

1. A composition comprising particles for damping vibrations performed by cooperating surfaces of a mirror adjustment mechanism relative to each other, wherein said cooperating surfaces adjustably connect a mirror holder for supporting the mirror element with a base plate that can be fixedly mounted to a motor vehicle; and wherein the particles positioned close to one of the surfaces are arranged to move to a lesser extent relative to that surface upon a high-frequency pivoting of the cooperating surfaces than particles that are further removed from that surface.
2. The composition of claim 1, wherein the particles are arranged to generate friction between the particles and the cooperating surfaces upon a high-frequency pivoting of the cooperating surfaces.
3. The composition of claim 1, wherein the composition comprises a metal salt of a fatty acid.
4. The composition according to claim 3, wherein the metal salt of a fatty acid comprises a C6-C24 fatty acid.
5. The composition according to claim 3, wherein the metal salt of a fatty acid comprises a C8-C24 fatty acid.
6. The composition according to claim 3, wherein the metal salt of a fatty acid comprises a C14-C22 fatty acid.
7. The composition according to claim 3, wherein the metal salt of a fatty acid comprises a C16-C20 fatty acid, a derivative thereof, or both a C16-C20 fatty acid and a derivative thereof.
8. The composition according to claim 3, wherein the fatty acid has been obtained from tallow.

9. The composition according to claim 3, wherein the metal salt of a fatty acid comprises a metal selected from the group consisting of magnesium, calcium, aluminum, and zinc.

10. The composition according to claim 3, wherein the metal salt of a fatty acid comprises zinc palmitate, zinc stearate, zinc oleate, or combinations of two or more of the foregoing.

11. The composition according to claim 3, wherein the metal salt of a fatty acid is zinc stearate.

12. The composition according to claim 3, wherein the metal salt of a fatty acid is used in the form of a powder.

13. The composition according to claim 3, wherein the metal salt adheres to the cooperating surfaces of the mirror adjustment mechanism.

14. The composition according to claim 3, wherein the metal salt is hydrophobic.

15. A composition comprising particles for damping vibrations performed by cooperating surfaces of a mirror adjustment mechanism relative to each other, wherein said cooperating surfaces adjustably connect a mirror holder for supporting the mirror element with a base plate that can be fixedly mounted to a motor vehicle; and wherein the particles are arranged to generate friction between the particles and the cooperating surfaces upon a high-frequency pivoting of the cooperating surfaces.

16. The composition of claim 15, wherein the composition comprises a metal salt of a fatty acid.

17. A method for assembling a mirror adjustment mechanism for adjusting a mirror element of a mirror unit of a motor vehicle, comprising:

providing cooperating surfaces which adjustably connect a mirror holder for supporting the mirror element with a base plate which are configured to be fixedly mounted to said motor vehicle; and

applying a composition comprising particles, wherein the particles positioned close to one of the surfaces are arranged to move to a lesser extent relative to that surface upon a high-frequency pivoting of the cooperating surfaces than particles further removed from that surface.

18. The method according to claim 17, wherein the particles are arranged to generate friction between the particles and the cooperating surfaces upon a high-frequency pivoting of the cooperating surfaces.

19. The method according to claim 17, wherein the composition comprises a metal salt of a fatty acid.

20. The method according to claim 17, wherein the composition is applied directly onto the cooperating surfaces.

21. A method for assembling a mirror adjustment mechanism for adjusting a mirror element of a mirror unit of a motor vehicle, comprising:

providing cooperating surfaces which adjustably connect a mirror holder for supporting the mirror element with a base plate which are configured to be fixedly mounted to said motor vehicle; and

applying a composition comprising particles, wherein the particles are arranged to generate friction between the particles and the cooperating surfaces upon a high-frequency pivoting of the cooperating surfaces.

22. The method according to claim 21, wherein the composition comprises a metal salt of a fatty acid.

23. The method according to claim 21, wherein the composition is applied directly onto the cooperating surfaces.

24. A mirror adjustment mechanism for adjusting a mirror element of a mirror unit of a motor vehicle, the mechanism comprising:

a base plate configured to be fixedly mounted to said motor vehicle;

a mirror holder for supporting said mirror element, the mirror holder being adjustably connected to the base plate via cooperating surfaces; and

a composition comprising particles on the cooperating surfaces, wherein the particles being positioned close to one of the surfaces are arranged to move to a lesser extent relative to that surface upon a high-frequency pivoting of the cooperating surfaces than particles further removed from that surface.

25. The mechanism according to claim 24, wherein the particles are arranged to generate friction between the particles and the cooperating surfaces upon a high-frequency pivoting of the cooperating surfaces.

26. The mechanism according to claim 24, wherein the composition comprises a metal salt of fatty acid.

27. The mechanism according to claim 24, further including hinge parts, parts of which comprise the cooperating surfaces on which the composition is applied.

28. The mechanism according to claim 24, further including a driving means for adjusting the mirror holder, wherein parts of the driving means comprise the cooperating surfaces on which the composition is applied.

29. The mechanism according to claim 24, wherein a first hinge part is substantially pivotable relative to a second hinge part.

30. The mechanism according to claim 29, wherein the first hinge part comprises a substantially spherical curved holder, and wherein the second hinge part comprises a substantially spherical curved ring or cup.

31. The mechanism according to claim 24, wherein the mirror holder is hingedly mounted, via the cooperating surfaces, to a frame for supporting the mirror

unit, and wherein the frame is hingedly mounted to the base plate with the aid of a second hinge mechanism.

32. The mechanism according to claim 24, wherein the mirror holder, via the cooperating surfaces, is directly hingedly connected with the base plate.

33. A mirror adjustment mechanism for adjusting a mirror element of a mirror unit of a motor vehicle, the mechanism comprising:

a base plate configured to be fixedly mounted to said motor vehicle;

a mirror holder for supporting said mirror element, the mirror holder being adjustably connected to the base plate via cooperating surfaces; and

a composition comprising particles on the cooperating surfaces, wherein the particles are arranged to generate friction between the particles and the cooperating surfaces upon a high-frequency pivoting of the cooperating surfaces.

34. The mechanism according to claim 33, wherein the composition comprises a metal salt of fatty acid.

35. The mechanism according to claim 33, further including hinge parts, parts of which comprise the cooperating surfaces on which the composition is applied.

36. The mechanism according to claim 33, further including a driving means for adjusting the mirror holder, wherein parts of the driving means comprise the cooperating surfaces on which the composition is applied.

37. The mechanism according to claim 33, wherein a first hinge part is substantially pivotable relative to a second hinge part.

38. The mechanism according to claim 37, wherein the first hinge part comprises a substantially spherical curved holder, and wherein the second hinge part comprises a substantially spherical curved ring or cup.

39. The mechanism according to claim 33, wherein the mirror holder is hingedly mounted, via the cooperating surfaces, to a frame for supporting the mirror

unit, and wherein the frame is hingedly mounted to the base plate with the aid of a second hinge mechanism.

40. The mechanism according to claim 33, wherein the mirror holder, via the cooperating surfaces, is directly hingedly connected with the base plate.